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Title: Collection, Packaging, and Shipping of Pork Products		
Revision: New	Replaces: N/A	Effective: 1/1/05

## 1. Purpose:

To provide standard procedures for the collection, packaging, and shipping of pork products for the USDA/Agricultural Marketing Service (AMS)/Monitoring Programs Office (MPO) Pesticide Data Program (PDP).

## 2. Scope:

This Standard Operating Procedure (SOP) shall be followed by all Food Safety and Inspection Service (FSIS) personnel acting as PDP sample collectors during the entire sample collection process as required by PDP.

## 3. Outline of Procedures:

- 6.1 Collection of Pork Samples
- 6.2 Unified Sampling Form
- 6.3 Shipping of Pork Samples

#### 4. References:

- Reimbursable Agreement and Statement of Work for project entitled "Market Hog Sampling—Performed by USDA Food Safety and Inspection Service for USDA Agricultural Marketing Service," March 16, 2005.
- Meeting between Martha Lamont (Director, MPO), Diana Haynes (Deputy Director, MPO), Jo Dyer (Sampling Manager, MPO), Robert Brewer (Senior Veterinary Medical Officer, OPHS, FSIS), Joanne Hicks (IT Specialist, FSIS,) Harry Walker (Branch Chief, Residue, FSIS), and Michael Hoffman (Specialist Assistant, FSIS) conducted on October 19, 2004.
- USDA, FSIS, Unified Sampling Form, Directive 10,210-3, January, 1998.
- USDA, FSIS, Livestock Sample Collection Instructions, Directive 10,210.1, June 10, 1999.
- USDA, FSIS, Use of Sample Seals for Program Samples and Other Applications, Directive 7355.1, Revision 2, December 3, 2002 (access online at <a href="www.fsis.usda.gov">www.fsis.usda.gov</a>: Help, A-Z Index, Directives, directive number)

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## 5. Summary:

The pork sample collection procedures were developed in consultation with USDA's FSIS. The targeted classes of pork to be sampled will include gilts and barrows. FSIS inspectors will act as PDP samplers to collect, package, and ship muscle and adipose tissues to the USDA National Science Laboratory (NSL) in Gastonia, North Carolina, for analysis.

The purpose of these procedures is to provide guidelines to FSIS inspectors carrying out PDP work during the sample collection process. Samples will be collected from Federally-inspected pork slaughter facilities and shipped to NSL for analysis. PDP's goal is to sample approximately 14 pork carcasses per week between January 1, 2005 and June 30, 2005, to collect a total of 300 adipose and corresponding 300 muscle tissues. To account for spoilage or oversights in sampling, a 12 percent overage will be instituted; therefore, the sampling plan is to collect 336 samples. Each sample will be comprised of a minimum of one pound each of adipose and muscle tissues. Roughly half back fat and half belly fat will make up the adipose tissue samples throughout the sampling period. Each tissue will be shipped to NSL in frozen condition. Attachment A contains contact information for FSIS and AMS personnel associated with the project.

#### 6. Specific Procedures:

This SOP represents minimum PDP requirements for the collection, packaging, and shipping of pork samples. This SOP will be used as the measure of compliance in the event of a USDA/MPO sampling review.

#### **Collection of Pork Products**

- a. Samples will be collected only by FSIS personnel at Federally-inspected pork slaughter plants.
- b. FSIS is scheduled to collect samples from approximately 14 pork carcasses per week.
- c. Each plant will be assigned a specific number of samples to collect based on relative plant volume throughput. Specific site information will be provided to MPO by FSIS prior to the start of sample collection.

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- d. Sample collection will begin during the week of January 3, 2005. Actual sampling dates throughout the six-month collection period will be arranged by FSIS.
- e. FSIS and MPO will review the number of samples collected at the end of the first three-month period to assure that the targeted number of samples will be collected by the end of the sampling period.
- f. FSIS inspectors shall collect a minimum of one (1) pound each of muscle and adipose tissue samples from one (1) randomly selected carcass.
- g. Adipose samples shall be collected from back fat and belly fat so that by the end of the sampling period roughly half of the total samples will consist of back fat and half of the samples will consist of belly fat.
- h. All samples will be collected, packaged, and shipped in accordance with FSIS Directive 10,210.1. and Directive 7355.1.
- i. Samples shall be placed in a freezer overnight to ensure that samples are shipped in frozen condition.

#### **6.2** <u>Unified Sampling Form</u>

- a. FSIS inspectors shall use FSIS Form 10,210-3, Requested Sample Programs, to record all FSIS-required sample information. Additional information, including whether the sample was taken from a barrow or gilt and whether the adipose tissue sample was taken from back fat or belly fat, shall be included on the form.
- b. If a scheduled sample can not be collected, a brief explanation shall be provided under section 28, "Remarks". NSL and MPO shall be notified if resampling is required.

#### 6.3 Shipping of Pork Samples

a. All shipping and packing materials will be provided by FSIS.

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- b. Pre-addressed FedEx shipping labels will be provided by MPO.
- c. Samples must be shipped within a week of collection.
- d. Pork samples shall be shipped via an overnight service (i.e., FedEx) to NSL, Gastonia, North Carolina. The collection site's return address should be clearly marked on the outside of the shipping container.
- e. All samples <u>must</u> be shipped in frozen condition.
- f. The samples should be shipped so that they arrive at the laboratory (NSL) on a weekday.
- g. Shipping should not occur on Friday or the day before a holiday.

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### **Attachment A**

#### PARTICIPATING USDA OFFICES AND CONTACT INFORMATION

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